


Government
✓ Publications

Publications and Films of the Ministry of Energy

June 1983

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Ministry
of
Energy

Honourable
Philip Andrewes
Minister





What is the Ministry of Energy?

The Ontario Ministry of Energy reviews energy issues, advises the Government of Ontario on policy matters and co-ordinates government energy-related activities. The ministry's goal is to ensure that residents of Ontario have a sufficient and affordable supply of energy. The ministry's responsibilities include giving policy direction to the Ontario Energy Corporation and Ontario Hydro and providing technical support to the Ontario Energy Board.

Ministry of Energy Publications

The materials listed here are published primarily by the Ontario Ministry of Energy. A few energy publications from other organizations are included. Only Ministry of Energy publications available in bulk are listed. Other Ministry of Energy publications may be examined at our Inquiries Office: Main Floor, 62 Wellesley Street West, Toronto. For a complete list of Ministry of Energy publications, write to: Ministry of Energy, 56 Wellesley Street West, Toronto, Ontario, M7A 2B7, or call (416) 965-3246 / Zenith 80420.

Telephone and Mail Orders

**Ontario Government Publications Service,
880 Bay Street, 5th floor,
Toronto, Ontario
M7A 1N8**

(416) 965-6015 (Toronto)
1-800-268-7540 (Toll-free long distance)
Zenith 67200 (Northwestern Ontario)

If a number appears in brackets after the title of a publication listed in this booklet, please quote it when ordering. Payment may be made by cheque or money order payable to the Treasurer of Ontario, or by Visa or Mastercard. Please include credit card number and expiry date.

Personal Shopping

**Ontario Government Bookstore
Main Floor
880 Bay Street
Toronto, Ontario**

Open 9am to 5pm, Monday to Friday.

Free Publications

Many Ministry of Energy publications are free. Please note however, that when ordered in quantities of more than one copy, or by non-residents of Ontario, a nominal charge may be applied for free publications.

Check Your Library

Some public libraries and university and college libraries stock selected Ontario government publications. Check your local library for the publications you need.

Ontario Hydro Information

For further information on energy conservation and the types of electric power supply in Ontario, write or call the Ontario Hydro Public Reference Centre, 700 University Avenue, Mezzanine Level, Toronto, Ontario M5G 1X6, 592-3331.

Ministry of Energy Films

For information on free loans of Ministry of Energy films, see the Films section at the end of this brochure. Discussion guides are distributed with some films. Film listings indicate whether such a guide is provided with the film, or may recommend a related publication which must be ordered separately.

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Publications

ENERGY - General

Energy and Agriculture: Report of the Ontario Energy and Agriculture Policy Committee

The past and present relationship of energy policy and agriculture in Ontario with a set of recommendations for the future.

Volume 1 - Summary and Recommendations. (355) Booklet. September 1981.

\$3.00

(504) Pamphlet. September 1981.

FREE

Energy Educators of Ontario - Starter Kits for Teachers

Order from Energy Educators of Ontario, P.O. Box 35, Macdonald Block, Queen's Park, Toronto, Ontario M7A 1M3.

1. **The Energy Seesaw - Renewable and Non-Renewable.** Energy resources which can be used over and over again and resources which cannot be replaced once used.

FREE

2. **Bright Ideas - Solar Energy.** The what, how and why of energy from the sun.

FREE

3. **Movin' On - Transportation.** Present and future alternatives to gasoline.

FREE

4. **A Carnival of Ideas - Energy Games & Activities.** Renewable and non-renewable energy, energy conservation and curriculum planning.

FREE

5. **Watch Your Waste - Energy Conservation.** Activities to conserve energy.

FREE

Energy Security for the Eighties: A Policy for Ontario

(012) Booklet. Ontario government initiatives to increase the province's energy self-sufficiency. September 1979. Reprinted October 1980.

FREE

Ontario Ministry of Energy - Annual Report

(041) 1981/82

\$4.00

(298) 1980/81

\$2.00

CONVENTIONAL ENERGY SOURCES

Coal in Ontario

(093) Booklet. Basic coal supply and consumption patterns in Ontario. September 1980. **FREE**

Micro Hydro Power

(095) Booklet. The potential for generating electrical power from small rivers, streams and waterfalls in Ontario. March 1982. **\$2.00**

(095A) Pamphlet. March 1982. **FREE**

Peat in Ontario: A New Awakening for an Old Fuel

(532) Booklet. The potential of peat as an energy source for Ontario. February 1983. **\$3.50**

ENERGY CONSERVATION

Alternate Energy Supplies and Technologies and Their Implications on Land Use Planning

(535E) The most energy-efficient systems and technologies available for the industrial, residential and commercial planner. July 1982. **\$3.00**

Buying Your Energy-Efficient New Home

(512) Booklet. Energy-efficient features to consider when buying a new home. Revised March 1983. **FREE**

Blanket Your Home

(353) Pamphlet. Home insulation. 1981. **FREE**

Case Studies in Energy Conservation in Government Buildings

- 1. Barrie Case Study.** (551) Energy-efficient design for the Barrie courthouse. July 1982. **FREE**
- 2. Lighting Changes Play a Large Role in Energy Reductions.** (281) How energy has been saved in an Ontario government building through heating and lighting modifications. March 1979. **FREE**
- 3. Newmarket Case Study.** (536) Energy-efficient design for the Newmarket courthouse. July 1982. **FREE**
- 4. Sudbury Case Study.** (539) Energy-efficient design for the Government of Ontario office tower. November 1982. **FREE**

Community Energy Management

- (492) Proceedings of a seminar held in October 1981. June 1982. **FREE**

Energy Handbooks for Planners

A series of ten reports:

- 1. Alternate Energy Supplies and Technologies and Their Implications on Land Use Planning.** The most energy-efficient systems and technologies available for planning industrial, residential and commercial developments. July 1982. **\$3.00**
- 2. Climatic Information for Energy Conscious Planning.** (535A) How climatic conditions effect the design of energy-efficient developments. July, 1982. **\$3.00**
- 3. Energy and Rural Land Use Planning in Ontario.** (387) Opportunities for energy conservation in rural Ontario through land use planning. March 1983. **\$3.00**
- 4. Estimating Energy Consumption for New Development.** (151) How planners can estimate the total annual energy consumption associated with the construction and servicing of new developments. January 1983. **\$3.00**
- 5. The Community Energy Profile.** (535C) Background information on the concepts and methods of community energy profiling. July 1982. **\$3.00**

6. **Guide to Community Energy Profiling.**
(535B) How to prepare community energy profiles. July 1983. **\$3.00**
7. **Glossary of Energy Terms for Planners.**
(392) Reference to help planners become more familiar with energy terms and issues. March 1983. **\$3.00**
8. **Landscape Planning For Energy Efficiency.** (535D) How landscape planning can improve the energy efficiency of buildings. July 1982. **\$3.00**
9. **Solar Energy and Land Use.** (387) The use of solar energy technologies and processes and how solar energy systems affect building design and land use planning. March 1983. **\$3.00**
10. **Solar Zoning Techniques.** (432)
Implications of solar access protection for new and existing development and how to ensure solar access. June 1983. **\$3.00**

Energy Conservation Opportunities for Downtown Redevelopment Projects: The Brantford Case

(552) How engineers, developers and planners can evaluate the energy conservation potential of downtown redevelopment projects. June 1982. **\$3.50**

Energy Conservation Opportunities for Municipalities

(031) Pamphlet. How municipalities can establish energy conservation programs. (English or French). October 1978. **FREE**

Energy Conservation in Public Buildings

(018) Booklet. July 1978. **\$1.00**

Energy Efficient Community Planning Bibliography

(033) A comprehensive list of publications for municipal planners, engineers, councillors etc. June 1980. **\$2.00**

Energy Efficient Community Planning - Seminar Proceedings

(034) October 1980.

\$2.00

Energy in the Home Quiz

(221) Pamphlet. Eighteen questions to help determine your home's energy efficiency quotient.

FREE

Energy on the Road Quiz

(120) Pamphlet. Fifteen questions to help determine your car's energy efficiency quotient.

FREE

Energy Saving in Religious Buildings

(537) Booklet. How religious organizations can establish an energy management program for their buildings. September 1982.

FREE

Saving Energy in Religious Buildings

(400) Pamphlet. Description of an Ontario Government program to help religious organizations save energy. See booklet above. January 1982.

FREE

A House for All Seasons

(511) Booklet. A home owners' guide to energy efficiency. Published by the Ontario Ministry of Energy and the Housing and Urban Development Association of Canada. January 1982.

FREE

If We Each Save A Little We All Save A Lot

(121) Pamphlet. How to save gasoline.

FREE

Is Your Business Energy Wise?

(294) Fact sheet.

FREE

Mississauga City Centre Energy Study

(035) Planning and building development techniques which can improve energy performance in new urban areas. 1981.

\$5.00

Telerider Impact Study

(105) A computerized bus schedule information service in Ottawa. January 1983.

\$3.00

10 Proven Ways to Save Gasoline

(108) Pamphlet. How to improve gas mileage through driving habits.

FREE

Weighing the Oil Drop Decision

(498) A detailed guide for homeowners interested in going "off oil". Information on heating alternatives, economics and government assistance programs is provided. March 1982.

FREE

Oil Drop

(300) Pamphlet. Introduces **Weighing the Oil Drop Decision**. October 1981.

FREE

Ways to Save Energy on the Road

A series of three pamphlets, available in English or French.

- | | |
|---|-------------|
| 1. The Drive to Save. (277) | FREE |
| 2. Extra Life Through Simple Upkeep. (278) | FREE |
| 3. Buying the Car That Guzzles Less. (279) | FREE |

Ways to Save Energy under Your Roof

A series of six pamphlets, available in English or French.

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|--|-------------|
| 1. Draft Defense. (271) | FREE |
| 2. The R Factor in Keeping the Heat In. (272) | FREE |
| 3. The Frugal Furnace. (273) | FREE |
| 4. Keeping the Hot in Your Hot Water. (274) | FREE |
| 5. The Cosy Renovation. (275) | FREE |
| 6. Buying a Home with Warmth in Mind. (276) | FREE |

We're Having a Heat Save

(118) Pamphlet. A government program to help homeowners save energy by examining heat loss from their homes as indicated by aerial infrared thermographic pictures. 1980.

FREE

Your Energy Ideas

(529) Booklet. Detailed description of the Canada/ Ontario Energy Conservation Demonstration Program – a financial assistance program to demonstrate and promote innovative energy ideas. May 1982.

FREE

(528) Pamphlet. May 1982.

FREE

RENEWABLE ENERGY SOURCES

General

Hydrogen: A Challenging Opportunity

Nine reports by the Ontario Hydrogen Energy Task Force on the future of hydrogen as an alternative fuel in Ontario.

- | | |
|--|---------------|
| 1. Synopsis. (352) October 1981. | FREE |
| 2. Findings and Recommendations.
(Vol. 1) (364) | \$2.00 |
| 3. Economic Analysis of the Potential Role of Hydrogen in Ontario. (Vol. 2) (365) | \$3.50 |
| 4. Hydrogen Supply. (Vol. 3) (366) | \$3.50 |
| 5. Potential for the Utilization of Hydrogen in Ontario Refineries. (Vol. 4) (367) | \$2.00 |
| 6. Hydrogen Utilization in Surface Vehicles.
(Vol. 5) (368) | \$3.50 |
| 7. The Role of Hydrogen in the Production of Synthetic Liquid Fuels From Biomass in Ontario. (Vol. 6) (369) | \$2.00 |
| 8. Hydrogen Use in Metallurgical Industries. (Vol. 7) (370) | \$1.00 |
| 9. The Role of Fuel Cells in Ontario's Hydrogen Future. (Vol. 8) (371) | \$2.00 |

Wind Turbine Diesel Hybrid

(077) Tests of a wind/diesel generator located on Toronto Island. November 1979.

\$3.00

Wood Production and Conversion in Eastern Ontario

A series on the technical and economic feasibility of converting wood into energy in three Eastern Ontario counties.

- | | |
|---|---------------|
| 1. Summary. (357B) September 1982. | \$2.00 |
|---|---------------|

2. **Phase I: Wood Supply, Conversion Technology and Markets.** (525) April 1982. \$2.00
3. **Phase II: Preliminary Technical and Economic Assessment.** (359) April 1982. \$2.00

Alternative Transportation Fuels

Alternative Transportation Fuels for Ontario - A Policy and Strategy

(135) A policy paper on the Ontario government's Alternative Transportation Fuels Program. February 1981. \$1.50

Gasohol and Other Alcohol Fuels

(079) Pamphlet on the alternative transportation fuels made from alcohol. February 1981. **FREE**

Assessment of Propane Supply and Distribution in Ontario

(401) Factors which affect the changing propane market in Ontario. January 1983. \$2.00

Solar Energy

A Commercial/Industrial Solar Demonstration Program for 1983/84

(102) Pamphlet. General information on a solar energy project funding program for companies and organizations. The program is jointly funded by the Canada and Ontario governments. **FREE**

Industrial Solar Applications

(052) The potential use of solar energy in Ontario's industrial/commercial sector. March 1982. \$2.00

Passive Solar Energy "Let the Sunshine In"

(354) Pamphlet. Passive solar heating for single-family dwellings. September 1981. **FREE**

Perspectives on Access to Sunlight

(055) Legal options for the protection of solar access. May 1978. Re-printed October 1980.

FREE

Residential Passive Solar Heating

(057) Status and potential of solar heating in Ontario. February 1980.

\$6.00

Solar Energy Demonstration Program

(059) The effectiveness of Canadian solar energy demonstration projects.

FREE

Solar Energy - Status Report for Ontario

(060) Report. October 1980.

FREE

Solar Heating for Swimming Pools

(503) Booklet. How to heat swimming pools with solar energy. February 1982.

\$3.00

(502) Pamphlet. February 1982.

FREE

Subdivisions and Sun

(040) Effective use of passive solar heating in houses in new subdivisions. September 1980.

\$4.00

(040-A) **Executive Summary** of the above.

FREE

Sun Shadow Guide

(063) How planners can take the shadow effects of buildings into consideration when planning energy-efficient structures. April 1982.

\$4.00

Turn On the Sun

(065) Understanding solar energy systems. For summary, see below. August 1977. Revised October 1978.

\$.50

Thinking of Solar Energy?

(064) Pamphlet. How solar energy can be used in the home and Ontario government solar energy incentives and programs. (English or French). September 1978.

FREE

Energy from Waste/Biomass

An Old Flame Rekindled: A guide to residential wood heating.

(550) Booklet. A handbook on choosing, installing, operating and maintaining a wood-burning appliance, with information on off-oil conversion and purchasing fuelwood. July 1983.

\$5.00

Energy and Materials Recovery from Municipal Solid Waste

(549) Booklet. How municipalities can extract recyclable materials and derive valuable energy from ordinary garbage. June 1983.

\$2.50

Energy from Waste: A Program for Ontario

(042) A policy document on energy from waste. March 1980.

\$2.00

Heat Recovery from Sewage for St. Lawrence - Phase B

(028) Feasibility of providing heat and domestic hot water for a Toronto development project with heat from sewage. September 1978.

\$1.50

Today's Refuse - Tomorrow's Energy: A Program for Ontario

(247) Pamphlet. Ontario government program to develop energy from waste projects. March 1980.

FREE

Films

The Ontario Ministry of Energy produces 16mm films on energy for both consumer and technical audiences.

Ministry of Energy films are distributed in Ontario only, and are available for loan, free of charge, from:

City Films Distribution Ltd.

542 Gordon Baker Road

Toronto, Ontario

M2H 3B4

(416) 499-1400

Discussion guides are distributed along with some films. In other cases, a recommended publication may be ordered separately from the Ontario Government Publications Service. For publication ordering instructions, see the front of this brochure.

Applewood

Aimed at general audiences, this film deals with Canada's first solar heated school in St. Catharines. Solar energy, combined with energy efficient building design and construction help to reduce the consumption of conventional fuels for heating and cooling. An animated segment illustrates how the solar heating system works. July 1979. 18 minutes.

The Bear Facts About Energy

Designed to stimulate interest in energy conservation among all age groups, this film is an animated introduction to the why and how of energy conservation. December 1978. 10 minutes.

A free discussion guide to support **The Bear Facts About Energy** accompanies the film. It helps group leaders and participants explore the themes introduced in the film, offers suggestions for discussions and activities, and identifies sources of additional information. December 1978. 8 pages.

A Cold Winter's Night

This film addresses the whys and hows of home insulation, and shows how the homeowner can avoid "fly-by-night" insulation contractors. March 1978. 5 minutes.

Energy Conservation: The Municipal Commitment

This film shows how municipalities can reduce the high energy costs of municipal operations. Immediate, no-cost savings are identified, as well as long-term savings through planning and capital improvements.

The publication **Energy Conservation Opportunities for Municipalities** (see Energy Conservation Section) may be ordered separately as a discussion guide for this film. October 1978. 10 minutes.

Fueling the Future

An entertaining one-hour film on the various alternative fuels in Ontario and how they are manufactured.

It includes demonstrations of hydrogen fuels, energy from waste, micro hydro, propane, wood poplar fuels and others. March 1982. 59 minutes. (Also available on 3/4" videotape.)

Money to Burn?

This general audience film takes a new look at our traditionally wasteful habits in the areas of municipal solid waste, agriculture and forestry. With a little ingenuity and innovative technology, what we normally throw away can be turned into a valuable resource – energy. 1983. 28 minutes. (Also available in 3/4" videotape.)

Old House...New House

Ecology House, a completely redesigned old home in central Toronto, is a demonstration of urban conservation. Practical ways to conserve energy and resources along with affordable ideas on collecting and using solar energy are depicted in this film.

1981. 22 minutes. (Also available on 3/4" videotape.)

Ce film est aussi disponible en français: **La maison écologique.**

The film **Old House . . . New House** is accompanied by a discussion pamphlet of the same name.

Saving by Design

Life-cycle costing on new and existing commercial buildings, utilizing various methods of energy conservation. Long and short term costs and savings are explained. 1981. 12 minutes.

Warming to Wood

With the current high cost of heating, some institutions are turning to wood waste as a heating fuel. In this film we visit a number of institutions which, because of their proximity to wood waste sources, are finding this to be an economical alternative. 1983. 17 minutes. (Also available on 3/4" videotape.)

